KVM SWITCH

Keyboard/video/mouse
sharing switch

SV211
SV211K
SV411
SV411K

Instruction Guide

* SV411 shown

* Actual product may vary from photo

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FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Table of Contents

Introduction 2

Installation 3

Using Your KVM Switch 4

Troubleshooting 5

Technical Specifications 6

Technical Support 7

Warranty Information 7

Introduction

Thank you for purchasing a StarTech.com economy KVM switch. Now you can control multiple IBM-compatible computers using just one keyboard, monitor, and mouse. Ideal for SOHO environments, this StarView switch lets you switch between computers using either the convenient push-button or a simple hot-key combination. These switches also support hot-plugging, allowing you to add or remove PCs without resetting the switch.

With the SV211K and SV411K, StarTech.com's 3-in-1 KVM cables are provided. The SV211 and SV411 allow you to purchase a 3-in-1 cable in the length of your choice.

Features

- Allows you to control two (SV211, SV211K) or four (SV411, SV411K) PCs from one PS/2 mouse, PS/2 keyboard, and VGA monitor
- Provides keyboard and mouse emulation to prevent boot-up errors
- Supports hot-plugging
- Capable of up to 1920 x 1440 VGA resolution
- DDC2B compatible
- **SV211K/SV411K only**: Includes high-quality StarTech.com 3-in-1 cables
- Backed by StarTech.com's one-year warranty

Before You Begin

To ensure a quick and easy device installation, please read through this section carefully before attempting to install the switch.

System Requirements

- Two (SV211, SV211K) or four (SV411, SV411K) IBM-compatible computers
- A PS/2 mouse, PS/2 keyboard, and VGA monitor
- **SV211, SV411 only**: Each computer requires a 3-in-1 KVM cable (not included)

NOTE: StarTech.com carries a wide range of 3-in-1 cables, KVM converters, and other KVM accessories. Visit www.startech.com for details.

Contents

- 1 x KVM sharing switch
- **SV211K/SV411K only**: StarTech.com 5.9ft (1.8m) 3-in-1 KVM cables

Installation

This section will guide you through the installation of your KVM switch. Please read through this section carefully and complete each step in the order listed.

Connecting Your Console

1. Make sure that all devices are turned off and unplugged.

2. Plug your PS/2 keyboard into the purple mini-DIN-6 port on the switch. On the **SV211** and **SV211K**, the keyboard port is located on the back of the switch. On the **SV411** and **SV411K**, the keyboard port is located on the right side of the switch.

3. Plug your PS/2 mouse into the green mini-DIN-6 port on the switch. On the **SV211** and **SV211K**, the mouse port is located on the back of the switch. On the **SV411** and **SV411K**, the mouse port is located on the right side of the switch.

4. Plug your monitor into the HD-DB-15 monitor port located on the right side of the back of the switch.

NOTE: The KVM switch uses negligible power and is designed to run without an external power source. You can, however, plug a DC9V power adapter (not included) into the device's optional power port.

Connecting Your Computers

The KVM switch requires the use of StarTech.com 3-in-1 KVM cables (included with the SV211K and SV411K). The "single" end of the cable connects to the KVM switch, the "triple" end connects to your computer.

1. Make sure all computers are turned off.

2. Plug the single HD-DB-15 connector into one of the PC ports on the back of the switch.

3. Plug the blue HD-DB-15 connector into your PC's monitor port.

4. Plug the purple keyboard connector into your PC's keyboard port.

5. Plug the green mouse connector into your PC's mouse port.

6. Repeat steps 2 to 5 for each computer you want to connect to the switch.

7. Turn on all computers.

NOTE: You can hot-plug additional computers to the KVM switch any time after the initial power up.

Using Your KVM Switch

The LEDs on the switch indicate which PC is active. You can scroll between PCs by either pressing the push-button on the top of the switch or by using a hotkey command. A hotkey command is a short sequence of keystrokes beginning with two **left Ctrl** keystrokes followed by another keystroke. Use only the **left** Ctrl key and do not use the keypad at the right of the keyboard.

Selecting a Computer

Command	Hotkey sequence
Select computer 1	Left Ctrl + Left Ctrl + 1
Select computer 2	Left Ctrl + Left Ctrl + 2
Select computer 3	Left Ctrl + Left Ctrl + 3 (SV411, SV411K only)
Select computer 4	Left Ctrl + Left Ctrl + 4 (SV411, SV411K only)
Scroll between powered-on computers	Left Ctrl + Left Ctrl + F2 + Up/Down arrow

Auto-Scan Mode

Command	Hotkey sequence
Start auto-scan	Left Ctrl + Left Ctrl + F1
End auto-scan	Left Ctrl + Left Ctrl
Select auto-scan interval	Left Ctrl + Left Ctrl + F3

Auto-scan mode will be suspended if the switch detects any keyboard or mouse activity. When the activity ceases, auto-scan mode will resume. The auto-scan interval can be set to **3** seconds (default setting, represented by one beep), **8** seconds (two beeps), **15** seconds (three beeps), and **30** seconds (four beeps).

Keyboard Typematic Rate

Command	Hotkey sequence
Adjust typematic rate	Left Ctrl + Left Ctrl + F4

The keyboard typematic rate set on the KVM will over-ride any typematic rate set by the PC's BIOS or operating system. The typematic rate can be set to **10** characters/second (represented by one beep), **15** characters/second (two beeps), **20** characters/second (three beeps), or **30** characters/second (four beeps).

Troubleshooting

If you are experiencing any difficulties, first make sure that all your cables are connected to their proper ports and are firmly seated.

My keyboard or mouse does not work.
The keyboard or mouse may not have initialized properly. Press and hold the push button for three seconds to re-initialize the keyboard and mouse. If problems persist, unplug the mouse or keyboard, wait a few seconds, then plug them back in.

My keyboard strokes are shifted.
The computer was left in a shifted state when last switched. Press both Shift keys.

The Up and Down arrow keys do not work in manual scan mode.
You may only have one computer turned on. Manual scan will only scroll through powered-on computers.

My KVM switch occasionally fails to function.
Your computers might not be providing enough power for the switch to function correctly. Plug a DC9V 500mA (minimum) power adapter into the power port on the switch.

My auto-scan interval keeps returning to the default.
If all computers connected to the KVM switch are turned off, the KVM will return to its default settings. If you want to keep your auto-scan interval, make sure that at least one of your computers is on at all times.

The LED on my SV411/SV411K keeps flashing.
The LED on the SV411/SV411K will flash while in Auto-Scan or Manual Scan modes. There is nothing wrong with the switch.

Technical Specifications

Number of computers supported	SV211, SV211K: Two SV411, SV411K: Four
Front panel control button	One
Auto-scan interval	3, 8, 15, 30 seconds
Typematic rate	10, 15, 20, 30 characters/second
Cable length (max)	5.9 ft (1.8m)
VGA	1920 x 1440, DDC2B
Computer connector	HD-DB-15 female
Console keyboard connector	PS/2 female
Console mouse connector	PS/2 female
Console monitor connector	HD-DB-15 female
Dimensions (L x W x H)	SV211, SV211K: 2.76 x 6.30 x 0.83in. (70x160x21mm) SV411, SV411K: 3.39 x 7.28 x 0.87in. (86x185x22mm)
Certifications	FCC, CE, VCCI

Technical Support

The following technical resources are available for this StarTech.com product:

On-line help:

We are constantly adding new information to the *Tech Support* section of our web site. To access this page, click the *Tech Support* link on our homepage, **www.startech.com**. In the tech support section there are a number of options that can provide assistance with this card.

Knowledge Base - This tool allows you to search for answers to common issues using key words that describe the product and your issue.

FAQ - This tool provides quick answers to the top questions asked by our customers.

Downloads - This selection takes you to our driver download page where you can find the latest drivers for this product.

Call StarTech.com tech support for help: **1-519-455-4931**
Support hours: Monday to Friday 9:00AM to 5:00PM EST (except holidays)

Warranty Information

This product is backed by a one-year warranty. In addition StarTech.com warrants its products against defects in materials and workmanship for the periods noted below, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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